





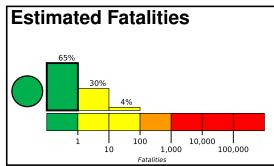
PAGER

Version 2

M 6.3, 73 km N of Namuac, Philippines

Origin Time: 2023-09-12 11:03:18 UTC (Tue 19:03:18 local) Location: 19.2687° N 121.2178° E Depth: 41.3 km

Created: 2 hours, 3 minutes after earthquake



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likelihood of casualties and damage.

10,000 1,000 100,000

Estimated Population Exposed to Earthquake Shaking

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ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	104k*	2,763k	21k	14k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan Structures 5000 10000

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1977-03-18	301	7.2	VII(520k)	1
2006-12-26	288	7.0	VIII(26k)	2
1990-07-16	394	7.7	IX(893k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

120.2°E 121.5°E 122.8°E 19.5°N 18.2°N Magapit, Aguiguican

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Selected City Exposure

from Ge	eoNames.org	
MMI	City	Population
٧	Namuac	3k
IV	Claveria	11k
IV	Santa Cruz	2k
IV	Santa Praxedes	<1k
IV	Pagudpud	5k
IV	Pamplona	2k
IV	Laoag	102k
IV	Batac City	54k
IV	Tuguegarao	115k
IV	Solana	71k
IV	Vigan	49k
	MMI	V Namuac IV Claveria IV Santa Cruz IV Santa Praxedes IV Pagudpud IV Pamplona IV Laoag IV Batac City IV Tuguegarao IV Solana

bold cities appear on map.

(k = x1000)